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resources of a modern computer. Some require specialized hardware, o commodity operating systems. Some target 100% binary compatibility  $\cdot$ 

 $\textbf{Keywords:} \ \textbf{hypervisors, paravirtualization, virtual machine monitors}$ 

Also published in:

December 2003 SIGOPS Operating Systems Review Volume 37 Issue 5

2 Microsoft TerraServer: a spatial data warehouse

Tom Barclay, Jim Gray, Don Slutz

June 2000 SIGMOD '00: Proceedings of the 2000 ACM SIGMOD internation
Management of data

Publisher: ACM Pequest Permissions

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Microsoft® TerraServer stores aerial, satellite, and topographic images SQL database available via the Internet. It is the world's largest online is eight terabytes of image data from the United States Geological Survey

Keywords: VLDB, geo-spatial, image databases, internet

Also published in:
June 2000 SIGMOD Record Volume 29 Issue 2

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JavaSymphony: new directives to control and synchronize locality, p load balancing for cluster and GRID-computing

Thomas Fahringer, Alexandru Jugravu

November 2002 JGI '02: Proceedings of the 2002 joint ACM-ISCOPE confer Grande

Publisher: ACM

Full text available: Pdf (214.97 KB) Additional Information: full citation, abstract, refere

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There has been an increasing research interest in extending the use of performance-oriented programming for distributed and concurrent appli research projects have introduced class libraries or language extensions

4 Towards a taxonomy of software connectors

Nikunj R. Mehta, Nenad Medvidovic, Sandeep Phadke

June 2000 I CSE '00: Proceedings of the 22nd international conference on Publisher: ACM

Full text available: Pdf (184.27 KB) Additional Information: full citation, abstract, refere terms

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 165, Citatic

Software systems of today are frequently composed from prefabricated, components that provide complex functionality and engage in complex research on component-based development has mostly focused on component-based development has mostly focused on components.

Keywords: classification, software architecture, software connector, ta

5 Process migration

Dejan S. Milojičić, Fred Douglis, Yves Paindaveine, Richard Wheeler, Songn September 2000 Computing Surveys (CSUR), Volume 32 Issue 3

Publisher: ACM Pequest Permissions

Full text available: Pof (1.24 MB)

Additional Information: full citation, abstract, refers terms, review

Bibliometrics: Downloads (6 Weeks): 85, Downloads (12 Months): 663, Citatic

Process migration is the act of transferring a process between two mach dynamic load distribution, fault resilience, eased system administration, locality. Despite these goals and ongoing research efforts, migration ha:

**Keywords:** distributed operating systems, distributed systems, load dismigration

 An enforced inter-admission delay performance-driven connection at algorithm

Stanislav Belenki

April 2002 SIGCOMM Computer Communication Review , Volume 32 Issue Publisher: ACM

Full text available: Pef (327.06 KB) Additional Information: full citation, abstract, refere

Bibliometrics: Downloads (6 Weeks): 0. Downloads (12 Months): 14. Citation

Connection Admission Control (CAC) is an important function in a comp supports Quality of Service (QoS). The function of CAC is to decide whe connection can be admitted on the network or a part of the network in s

7 Techniques for obtaining high performance in Java programs

Iffat H. Kazi, Howard H. Chen, Berdenia Stanley, David J. Lilja September 2000 Computing Surveys (CSUR), Volume 32 Issue 3

Publisher: ACM Pequest Permissions

Full text available: Pdf (816.13 KB) Additional Information: full citation, abstract, refere

Bibliometrics: Downloads (6 Weeks): 82. Downloads (12 Months): 474. Citatic

This survey describes research directions in techniques to improve the programs written in the Java programming language. The standard tech execution is interpretation, which provides for extensive portability of pl

**Keywords:** Java, Java virtual machine, bytecode-to-source translators, dynamic compilation, interpreters, just-in-time compilers

8 An analysis of Internet chat systems

Christian Dewes, Arne Wichmann, Anja Feldmann

October 2003 IMC '03: Proceedings of the 3rd ACM SIGCOMM conference c measurement

Publisher: ACM Paquest Permissions

Full text available: Pdf (630.55 KB) Additional Information: full citation, references, cits

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 198, Citatic

Keywords: IRC, chat, network measurements

Designing a distributed access control processor for network service
 Reiner Kraft
 Network 2000

November 2002 XMLSEC '02: Proceedings of the 2002 ACM workshop on X Publisher: ACM Request Permissions

Full text available: Pdf (301.14 KB) Additional Information: full citation, abstract, refere terms

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 166, Citatic

The service oriented architecture (SOA) is gaining more momentum wit network services on the Web. A programmable and machine accessible many, and might represent a step towards the semantic Web. However,

Keywords: Web services, XML, access control, security

10 Advanced data processing in KRISYS: modeling concepts, implemel and client/server issues

Stefan Deßloch, Theo Härder, Nelson Mattos, Bernhard Mitschang, Joachim May 198 The VLDB Journal — The International Journal on Very Lai Volume 7 Issue 2

Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (210.27 KB) Additional Information: full citation, abstract, refere

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 29, Citation

The increasing power of modern computers is steadily opening up new a for advanced data processing such as engineering and knowledge-based meet their requirements, concepts for advanced data management have investigated ...

**Keywords:** Client/server architectures, Consistency control, Object-oric concepts, Query processing, Run-time optimization

11 Trust management for IPsec

May 2002 Transactions on Information and System Security (TISSE)
Publisher: ACM Bequest Permissions

Full text available: Pdf (321.98 KB) Additional Information: full citation, abstract, refers terms, review

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 189, Citatic

IPsec is the standard suite of protocols for network-layer confidentiality of Internet traffic. The IPsec protocols, however, do not address the pol protected traffic should be handled at security end points. This article ...

Keywords: Credentials, IPsec, KeyNote, network security, policy, trust

12 System design of active basestations based on dynamically reconfig Athanassios Boulls, Manl B. Srivastava

June 2000 DAC '00: Proceedings of the 37th conference on Design automa Publisher: ACM Request Permissions

Full text available: ELE (111.85 KB) Additional Information: full citation, abstract, refers

Bibliometrics: Downloads (6 Weeks); 3. Downloads (12 Months); 5. Citation C

Providing multiple modes to support dynamically changing environment new services is prevalent in embedded systems, especially in mobile rac Because such a system frequently contains time-constrained tasks, it is

13 A model of OASIS role-based access control and its support for activ

November 2002 Transactions on Information and System Security (TI Issue 4

Jean Bacon, Ken Moody, Walt Yao November 2002 Transactions on I Issue 4 Publisher: ACM ♦ Request Permissions

Full text available: Pdf (352.06 KB) Additional Information: full cliation, abstract, refers

Bibliometrics: Downloads (6 Weeks): 31, Downloads (12 Months): 248, Citatic

OASIS is a role-based access control architecture for achieving secure in services in an open, distributed environment. The aim of OASIS is to all management domains to specify their own access control policies and to

**Keywords:** Certificates, OASIS, RBAC, distributed systems, policy, role control, service-level agreements

14 The state of the art in automating usability evaluation of user interfact Melody Y. Ivory, Marti A Hearst

December 2001 Computing Surveys (CSUR), Volume 33 Issue 4

Publisher: ACM Pequest Permissions

Full text available: Pdl (2.31 MB)

Additional Information: full citation, abstract, refere terms, review

Bibliometrics: Downloads (6 Weeks): 151, Downloads (12 Months): 1378, Cita

Usability evaluation is an increasingly important part of the user interfar However, usability evaluation can be expensive in terms of time and hu automation is therefore a promising way to augment existing approache

**Keywords:** Graphical user interfaces, taxonomy, usability evaluation at interfaces

15 Understanding BGP misconfiguration

Ratul Mahajan, David Wetherall, Tom Anderson
August 2002 SI GCOMM '02: Proceedings of the 2002 conference on Applic
architectures, and protocols for computer communications

Publisher: ACM Pequest Permissions

Full text available: Pdf (312.33 KB) Additional Information: full citation, abstract, refere

Bibliometrics: Downloads (6 Weeks): 11. Downloads (12 Months): 139. Citatic

It is well-known that simple, accidental BGP configuration errors can dis connectivity. Yet little is known about the frequency of misconfiguration except for the few spectacular incidents of widespread outages. In this |

Also published in:

October 2002 SIGCOMM Computer Communication Review Volume 32 Issue

16 Context-based prefetch – an optimization for implementing objects o Philip A. Bernstein, Shankar Pai, David Shutt December 2000 The VLDB Journal — The International Journal on Ver

Bases, Volume 9 Issue 3
Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (142.24 KB) Additional Information: tull cliation, abstract, refere

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 44, Citation

When implementing persistent objects on a relational database, a majoi is prefetching data to minimize the number of round-trips to the databa hard with navigational applications, since future accesses are unpredict:

Keywords: Caching, Object-oriented database, Object-relational mapp

17

Nomadic radio: speech and audio interaction for contextual messagii environments

Nitin Sawhney, Chris Schmandt

September 2000 Transactions on Computer-Human Interaction (TOCH

Publisher: ACM Request Permissions

Additional Information: full citation, abstract, refere Full text available: Pdf (648.76 KB)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 169, Citatic

Mobile workers need seamless access to communication and information the move. However, current solutions overwhelm users with intrusive in ambiguous notifications. This article discusses the interaction technique

Keywords: adaptive interfaces, contextual interfaces, interruptions, no notifications, passive awareness, spatial listening, speech interaction, w

18 An Internet-based negotiation server for e-commerce

Stanley Y.W. Su, Chunbo Huang, Joachim Hammer, Yihua Huang, Haifei Li, Youzhong Liu, Charnyote Pluempitiwiriyawej, Minsoo Lee, Herman Lam August 2001 The VLDB Journal — The International Journal on Very L

Volume 10 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (355.19 KB) Additional Information: full citation, abstract, refere terms

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 135, Citation

This paper describes the design and implementation of a replicable, Inte negotiation server for conducting bargaining-type negotiations between in e-commerce and e-business. Enterprises can be buyers and sellers of products/services ...

Keywords: Constraint evaluation, Cost- benefit analysis, Database, E-c Negotiation policy and strategy, Negotiation protocol

19 Fast detection of communication patterns in distributed executions Thomas Kunz, Michiel F. H. Seuren

November 1997 CASCON '97: Proceedings of the 1997 conference of the C Studies on Collaborative research

Publisher: IBM Press

Full text available: 📆 🖭 (4.21 MB) Additional Information: full citation, abstract, refere

Bibliometrics: Downloads (6 Weeks): 84, Downloads (12 Months): 396, Citatic

Understanding distributed applications is a tedious and difficult task. Vis process-time diagrams are often used to obtain a better understanding the application. The visualization tool we use is Poet, an event ...

20 Parallel execution of prolog programs: a survey

Gopal Gupta, Enrico Pontelli, Khayri A.M. Ali, Mats Carlsson, Manuel V. Her July 2001 Transactions on Programming Languages and Systems (T Issue 4

Publisher: ACM Pequest Permissions

Additional Information: full citation, abstract, refere Full text available: Pdf (1.95 MB) terms

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 211, Citatic

Since the early days of logic programming, researchers in the field reali exploitation of parallelism present in the execution of logic programs. TI nature, the presence of nondeterminism, and their referential transpare

Keywords: Automatic parallelization, constraint programming, logic proparallelism, prolog

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